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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/646,822	08/25/2003	Hiroshi Okazaki	241806US3X	1809
22850	7590	02/22/2007	EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.			ECHELMAYER, ALIX ELIZABETH	
1940 DUKE STREET			ART UNIT	PAPER NUMBER
ALEXANDRIA, VA 22314			1745	
NOTIFICATION DATE		DELIVERY MODE		
02/22/2007		ELECTRONIC		

Please find below and/or attached an Office communication concerning this application or proceeding.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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<p style="text-align: center;">Advisory Action Before the Filing of an Appeal Brief</p>	Application No.	Applicant(s)
	10/646,822	OKAZAKI ET AL.
	Examiner Alix Elizabeth Echelmeyer	Art Unit 1745

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 02 February 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE.

1. The reply was filed after a final rejection, but prior to or on the same day as filing a Notice of Appeal. To avoid abandonment of this application, applicant must timely file one of the following replies: (1) an amendment, affidavit, or other evidence, which places the application in condition for allowance; (2) a Notice of Appeal (with appeal fee) in compliance with 37 CFR 41.31; or (3) a Request for Continued Examination (RCE) in compliance with 37 CFR 1.114. The reply must be filed within one of the following time periods:

a) The period for reply expires 3 months from the mailing date of the final rejection.
b) The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.

Examiner Note: If box 1 is checked, check either box (a) or (b). ONLY CHECK BOX (b) WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

NOTICE OF APPEAL

2. The Notice of Appeal was filed on _____. A brief in compliance with 37 CFR 41.37 must be filed within two months of the date of filing the Notice of Appeal (37 CFR 41.37(a)), or any extension thereof (37 CFR 41.37(e)), to avoid dismissal of the appeal. Since a Notice of Appeal has been filed, any reply must be filed within the time period set forth in 37 CFR 41.37(a).

AMENDMENTS

3. The proposed amendment(s) filed after a final rejection, but prior to the date of filing a brief, will not be entered because

(a) They raise new issues that would require further consideration and/or search (see NOTE below);
(b) They raise the issue of new matter (see NOTE below);
(c) They are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
(d) They present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____. (See 37 CFR 1.116 and 41.33(a)).

4. The amendments are not in compliance with 37 CFR 1.121. See attached Notice of Non-Compliant Amendment (PTOL-324).

5. Applicant's reply has overcome the following rejection(s): _____.
6. Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).

7. For purposes of appeal, the proposed amendment(s): a) will not be entered, or b) will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.
The status of the claim(s) is (or will be) as follows:
Claim(s) allowed: _____.
Claim(s) objected to: _____.
Claim(s) rejected: 1-17.
Claim(s) withdrawn from consideration: _____.
AFFIDAVIT OR OTHER EVIDENCE

8. The affidavit or other evidence filed after a final action, but before or on the date of filing a Notice of Appeal will not be entered because applicant failed to provide a showing of good and sufficient reasons why the affidavit or other evidence is necessary and was not earlier presented. See 37 CFR 1.116(e).

9. The affidavit or other evidence filed after the date of filing a Notice of Appeal, but prior to the date of filing a brief, will not be entered because the affidavit or other evidence failed to overcome all rejections under appeal and/or appellant fails to provide a showing a good and sufficient reasons why it is necessary and was not earlier presented. See 37 CFR 41.33(d)(1).

10. The affidavit or other evidence is entered. An explanation of the status of the claims after entry is below or attached.

REQUEST FOR RECONSIDERATION/OTHER

11. The request for reconsideration has been considered but does NOT place the application in condition for allowance because:
See Continuation Sheet.

12. Note the attached Information Disclosure Statement(s). (PTO/SB/08) Paper No(s). _____.
13. Other: See Continuation Sheet.

Continuation of 11. does NOT place the application in condition for allowance because: the arguments presented are not convincing to the examiner. Applicants submit that the heat exchanger of Dickman et al. could not dehumidify the fuel inlet stream and that there is no motivation to use the heat exchanger of Dickman et al. to dehumidify the fuel inlet. The examiner disagrees.

First, Applicants argue that since Okamoto teaches a coolant medium to dehumidify the fuel inlet stream, and since the coolant medium is in direct contrast with the heat exchange medium of Dickman et al., the heat exchanger of Dickman et al. could not be used to dehumidify the fuel inlet. In fact, the coolant medium of Okamoto, specifically water, is not different from the heat exchange medium of Dickman et al., which is also water (column 3 lines 33-38 of Dickman et al.) Further, by removing heat from the fuel inlet stream, as the heat exchanger of Dickman et al. would be capable of doing since, as applicants point out, its purpose is to harvest thermal energy, moisture in the fuel inlet stream would condense.

Regarding the motivation to use the heat exchanger of Dickman et al. to dehumidify as taught by Okamoto, the examiner has provided motivation. On pages 3-4 of the Final Rejection dated November 29, 2006, Okamoto teaches that it is desirable to remove moisture from the fuel inlet stream if the moisture level in the fuel cell stack is sufficient. It would also be desirable to remove moisture from the fuel inlet stream of Dickman et al. if the moisture level in the fuel cell stack was sufficient. Therefore, it would have been obvious to one having ordinary skill in the art at the time of invention to remove moisture from the fuel inlet of Dickman et al. if the moisture level in the stack was sufficient as taught by Okamoto.

Thus, the arguments presented do not place the application into condition for allowance.

Continuation of 13. Other: Regarding the claim amendments, these amendments will be entered since the amendments serve to correct typographical errors and do not alter the scope of the claims. The rejection of November 29, 2006 is upheld.



SUSY TSANG-FOSTER
PRIMARY EXAMINER